Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/23/2019 11:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124444	-1	1.49	124511	1.51
Blue	F	SSC	125000	124489	-1	1.50	125295	1.50
Blue	E	FITC	16122	15757	-3	2.63	343	18.94
Blue	D	PE	29316	28757	-2	1.85	628	13.90
Blue	B	PerCP-Cy5-5	42590	42027	-2	3.55	1134	20.14
Blue	A	PE-Cy7	33146	33560	1	5.94	639	39.96
Red	C	APC	45473	44840	-2	2.50	1586	11.89
Red	A	APC-Cy7	31961	30913	-4	2.52	823	12.00
Violet	B	V450	7914	7458	-6	4.69	414	12.99
Violet	A	V500	29769	28631	-4	4.47	662	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21233	3.33	605	5	N/A	N/A	Pass
Blue	F	SSC	56583	1.08	546	8	N/A	N/A	Pass
Blue	E	FITC	63	60.01	538	1	0.0226	117	Pass
Blue	D	PE	131	49.42	540	3	0.2119	381	Pass
Blue	B	PerCP-Cy5-5	207	48.70	641	3	0.0091	29	Pass
Blue	A	PE-Cy7	119	99.47	696	5	0.0115	18	Pass
Red	C	APC	378	25.18	585	6	0.0260	204	Pass
Red	A	APC-Cy7	182	28.10	561	5	0.0054	706	Pass
Violet	B	V450	63	58.83	460	0	0.0575	2183	Pass
Violet	A	V500	99	31.45	473	1	0.0243	558	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.96	1.01
Blue	20.36	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.51
Red	16.18	13.60 - 20.40	N/A	N/A	29.70	29.92	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9509

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments